

206210-BL-65506-82,974

100

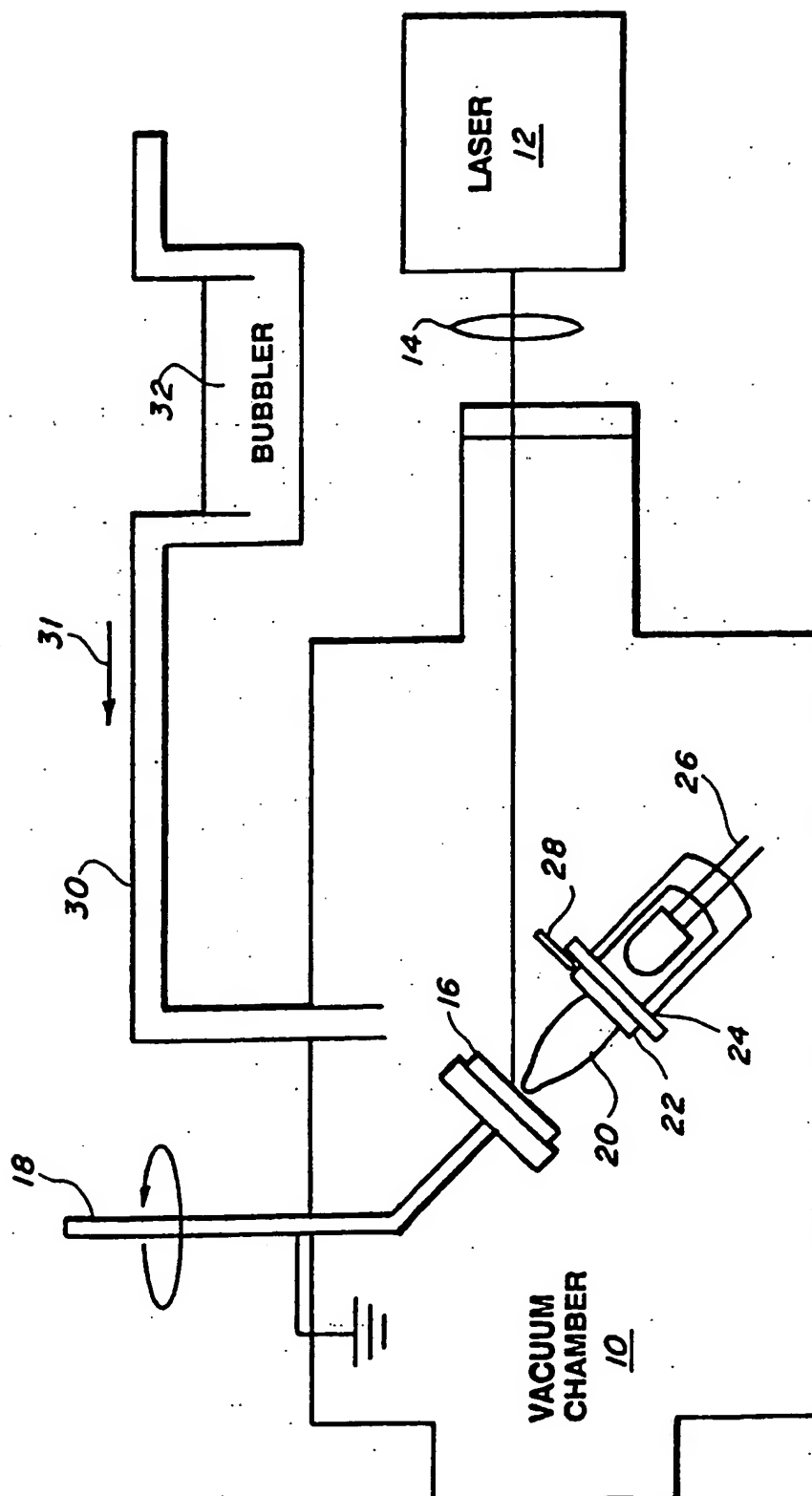


FIG. 1

# Comparison of Infrared Absorption Spectra for PEG (1450) Films

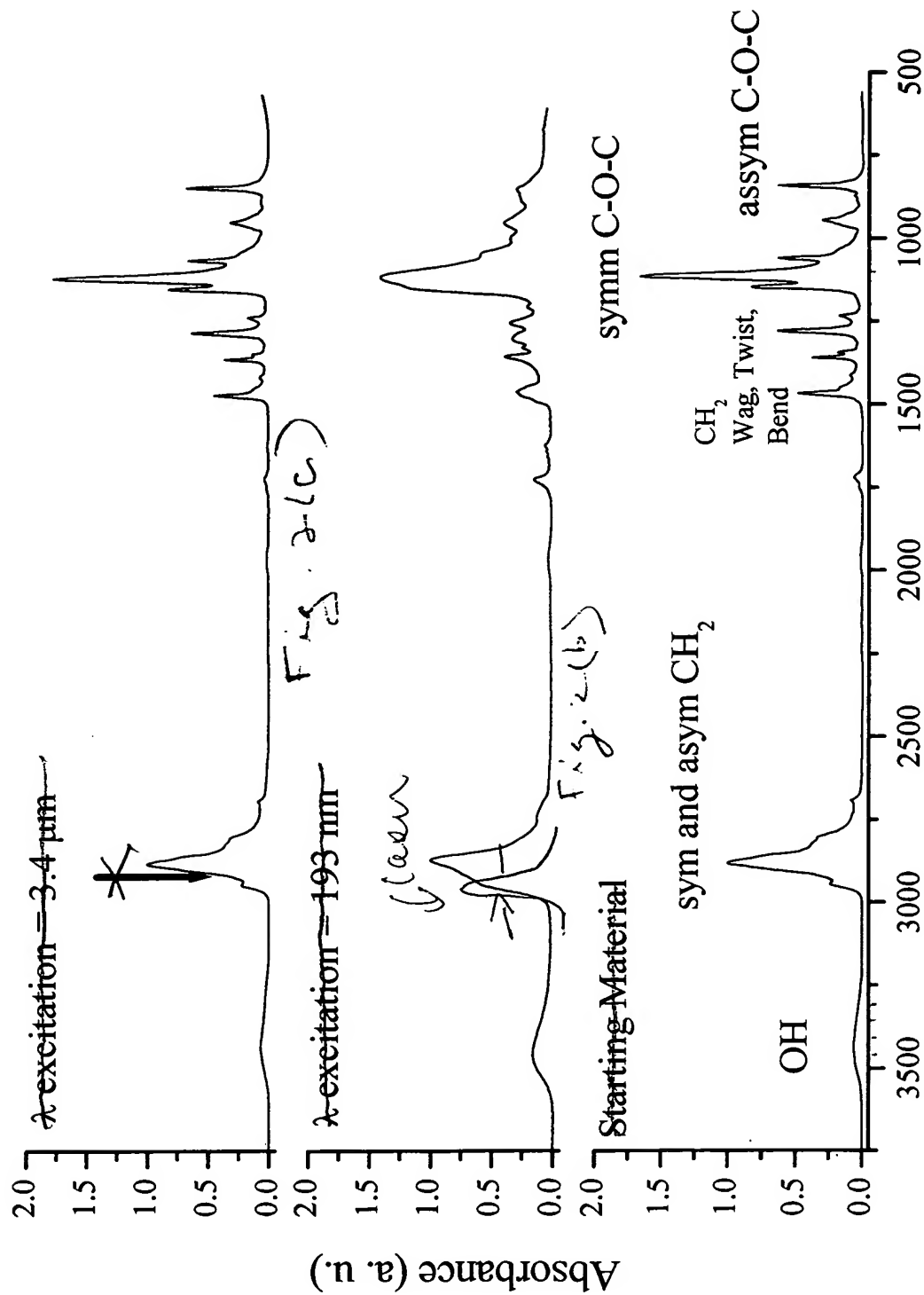
Wavenumber (cm<sup>-1</sup>)

Fig. 2(a)

Figure 2

# Comparison of Infrared Absorption Spectra for PEG (1450) Films

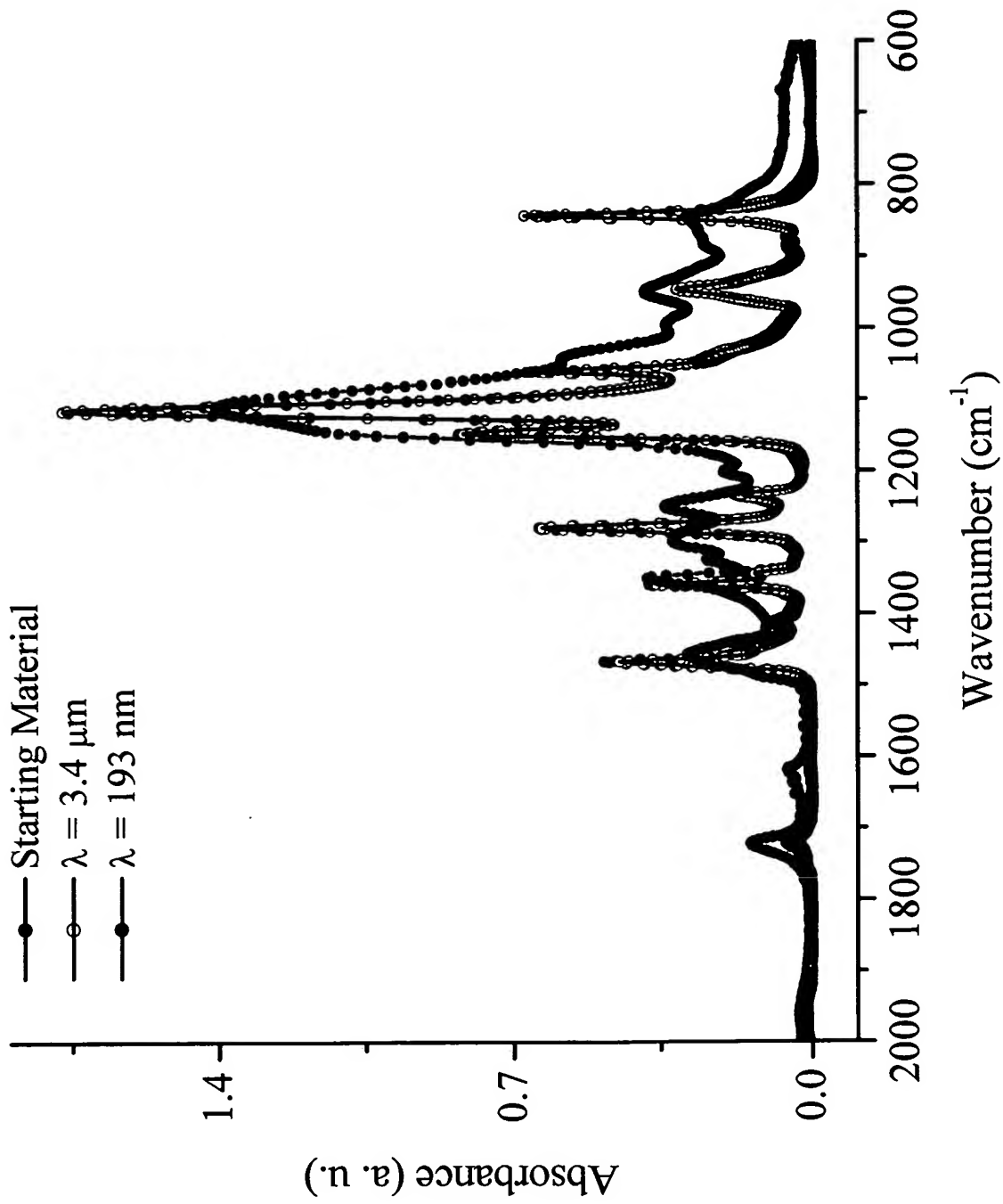


Figure 3

# ESI Mass Spectrum of PEG Films Deposited Using FEL

$\lambda = 2.9 \mu\text{m}$   
 $M_n = 1508 \text{ amu}$   
 $M_w = 1523 \text{ amu}$

12

doubly charged ions

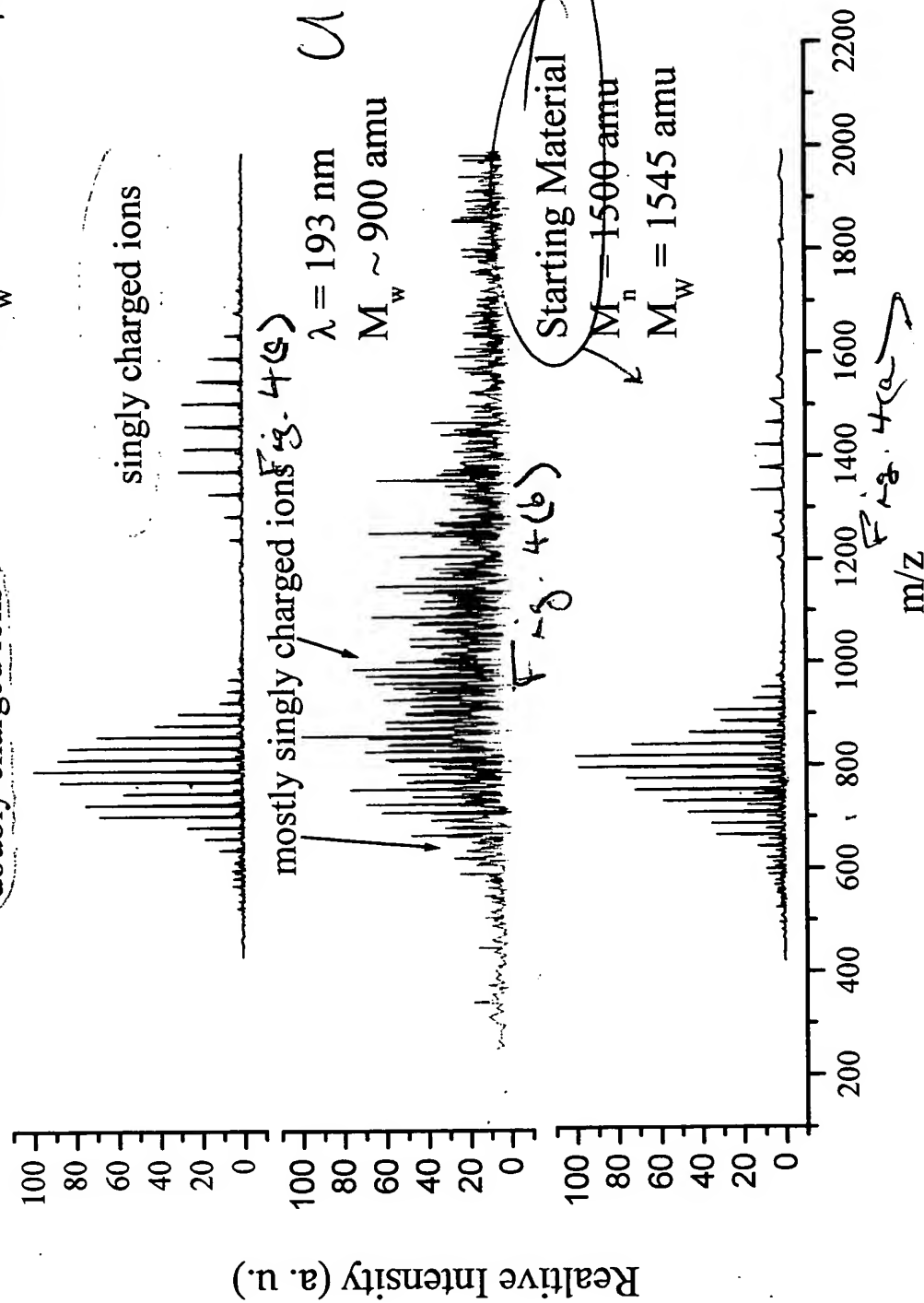


Figure 3/4

# Comparison of Resonant and Non-resonant Excitation

- STD
- OFF Resonance (3.3  $\mu\text{m}$ )
- ON Resonance (3.4  $\mu\text{m}$ )

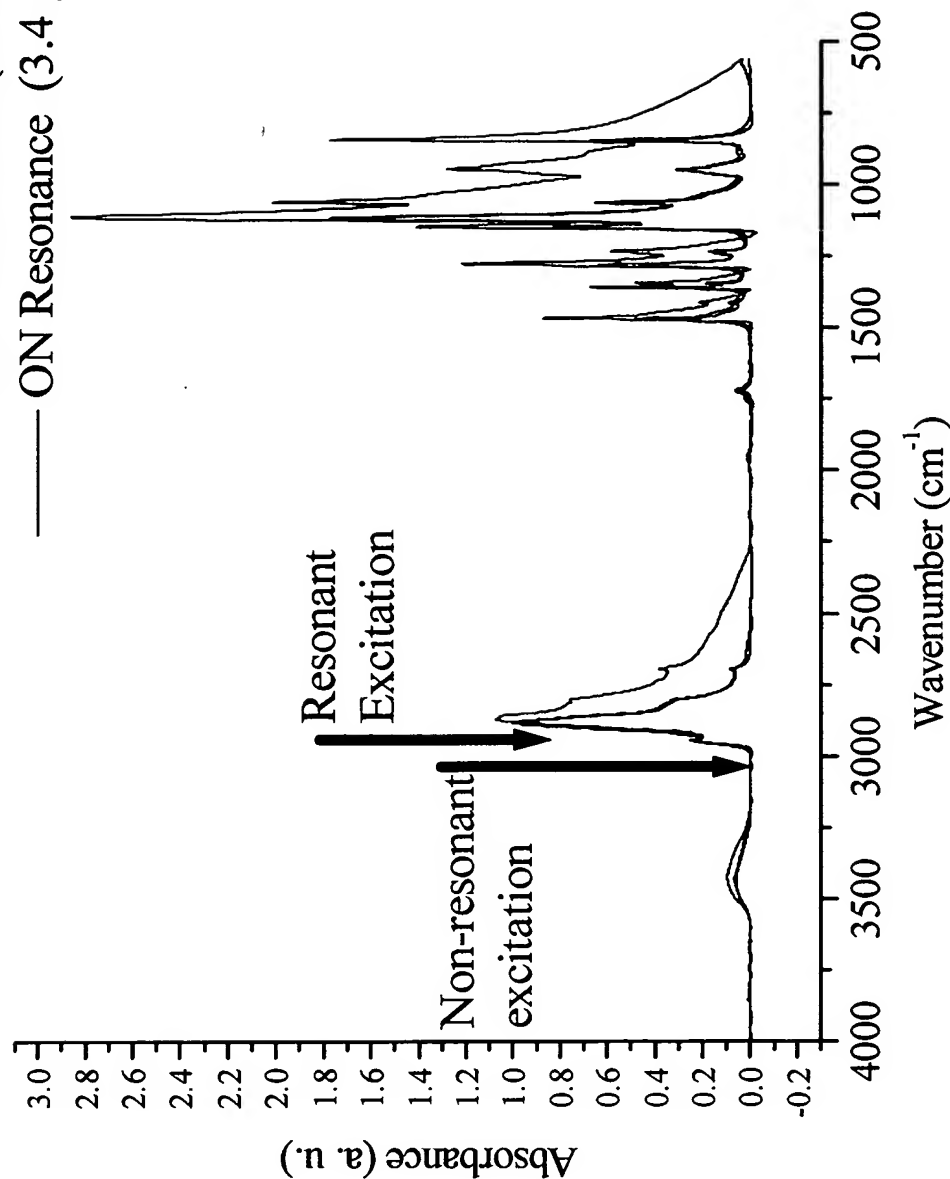


Figure 5

# Subtracted Absorbance Spectra for Resonant and Non-resonant Excitation

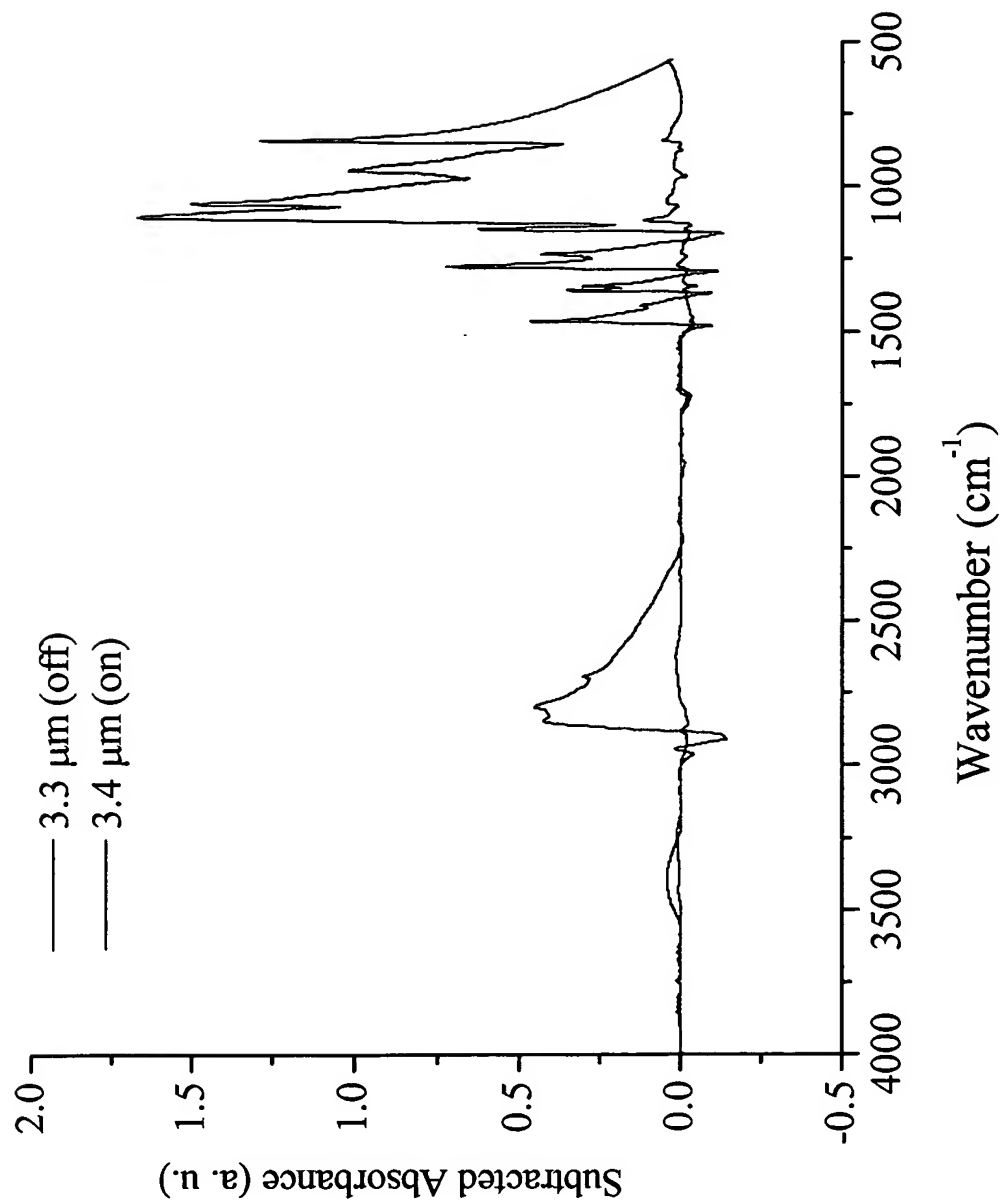


Figure 8

# Absorption Spectra For PLCA Thin Films

Poly(DL-lactide-co-caprolactone)

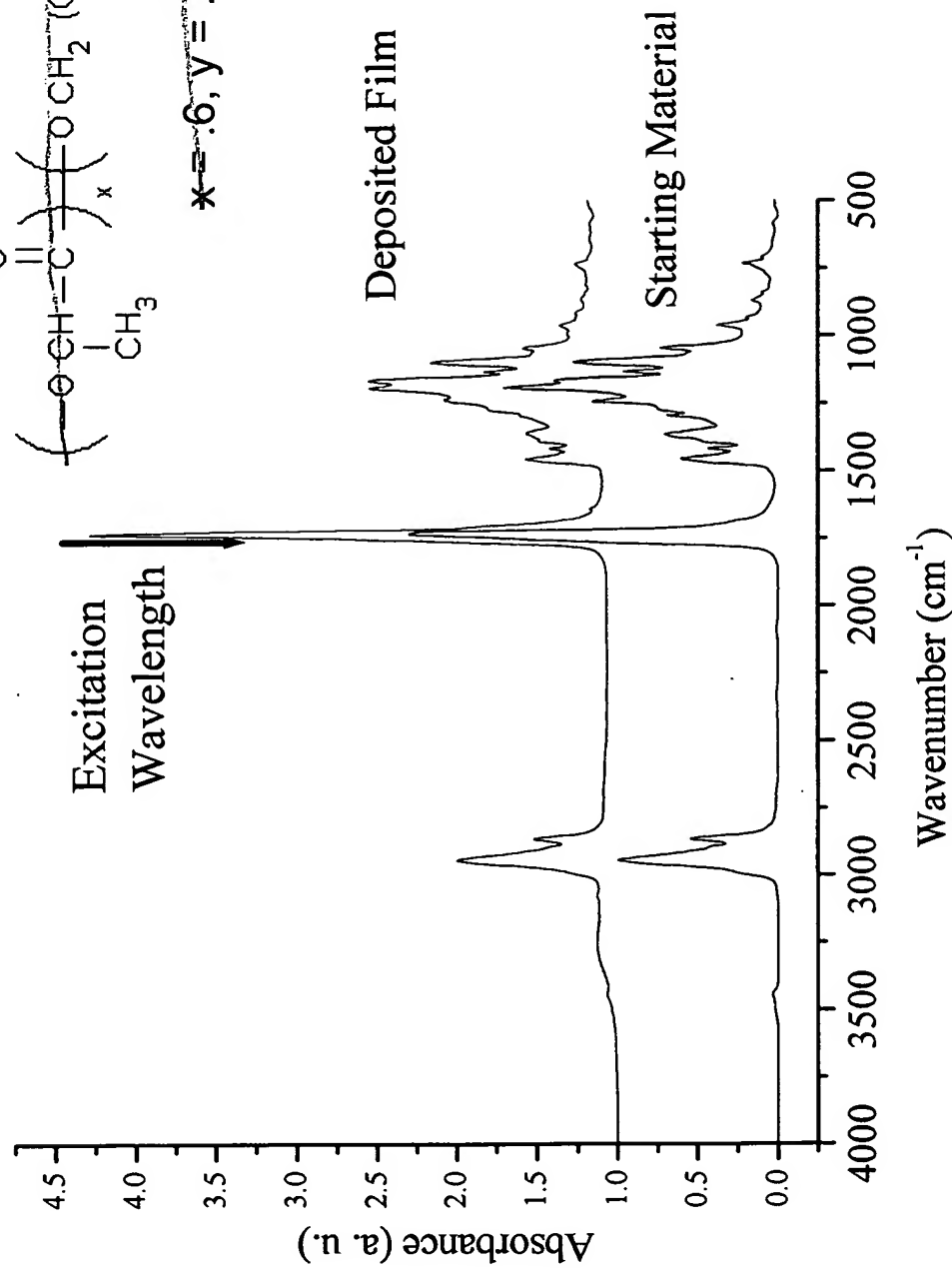
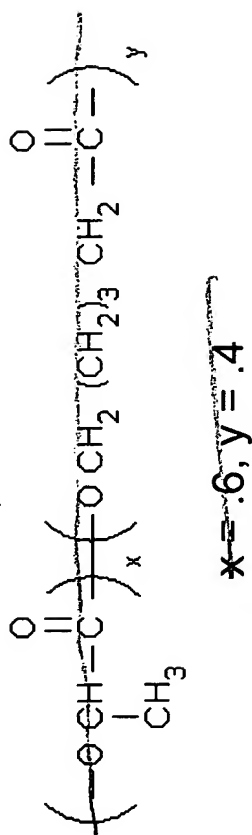


Figure 7

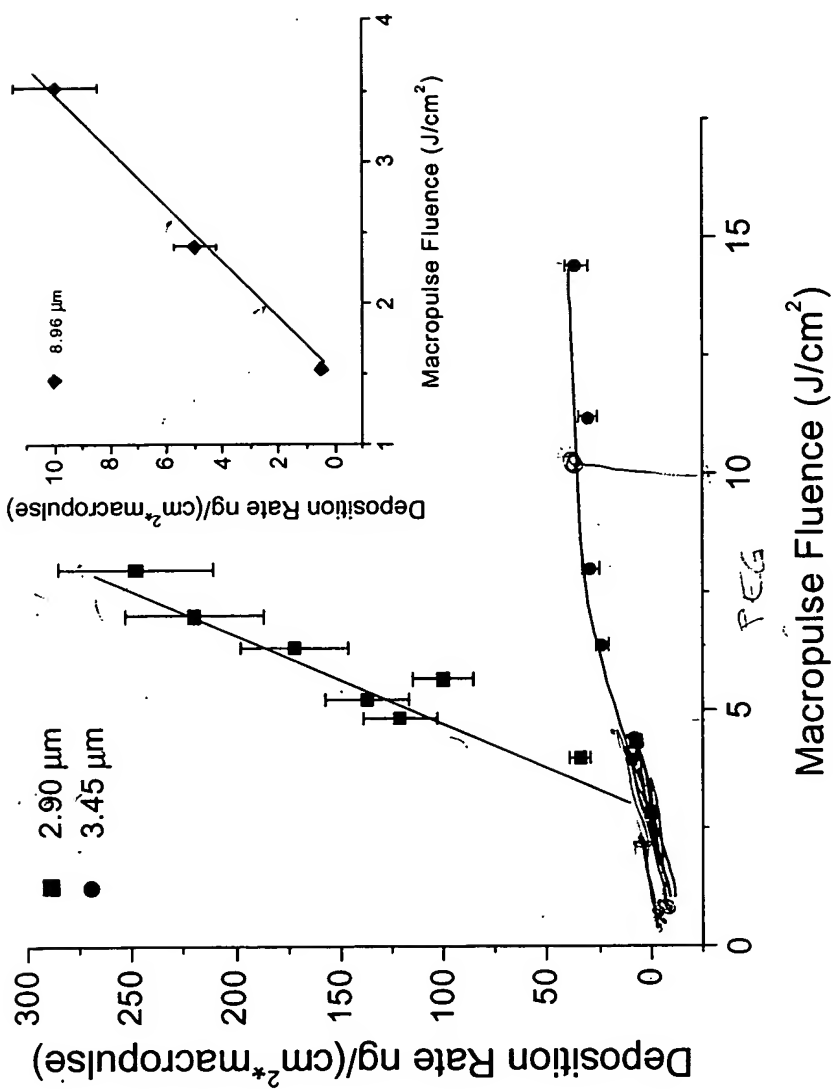


Figure 8